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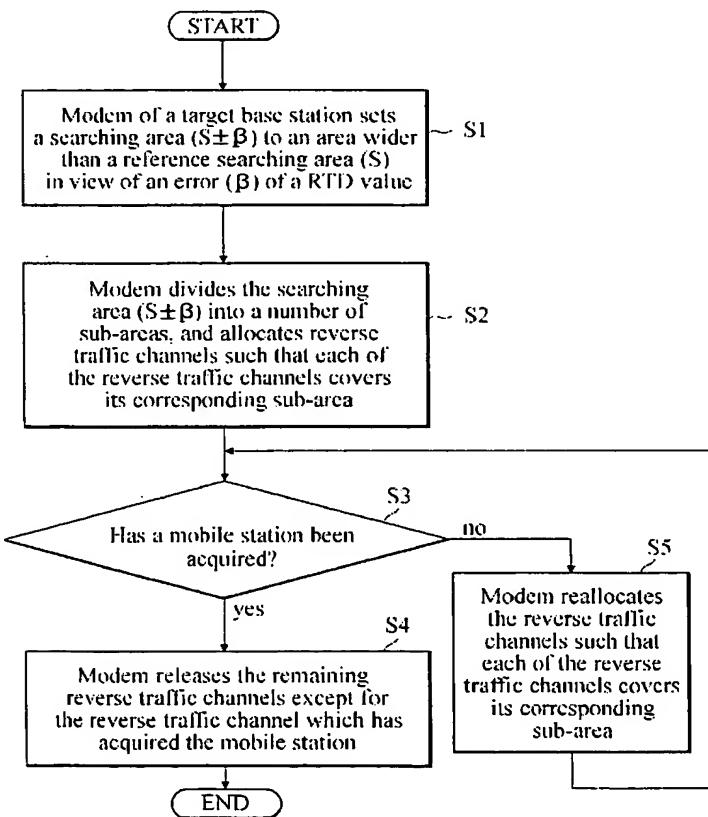
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(54) Title: METHOD FOR ALLOCATING REVERSE TRAFFIC CHANNELS AT THE TIME OF HANDOFF IN A CDMA COMMUNICATION SYSTEM



(57) Abstract: A method for allocating reverse traffic channels at the time of handoff in a CDMA communication system, comprises the steps of: upon receiving a handoff request from a control station at a target base station, setting a Search Center Offset (SCO) to a Round Trip Delay (RTD) value received from a serving base station, and setting a searching area (S±β) to an area wider than a reference searching area (S) in view of an error (β) in the RTD value; dividing the searching area into a number of sub-areas, and allocating reverse traffic channels such that each reverse traffic channel covers its corresponding sub-area; monitoring the reverse traffic channels to determine whether a mobile station has been acquired; and if the mobile station has been acquired, releasing the remaining reverse traffic channels except for the reverse traffic channel which has acquired the mobile station.

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